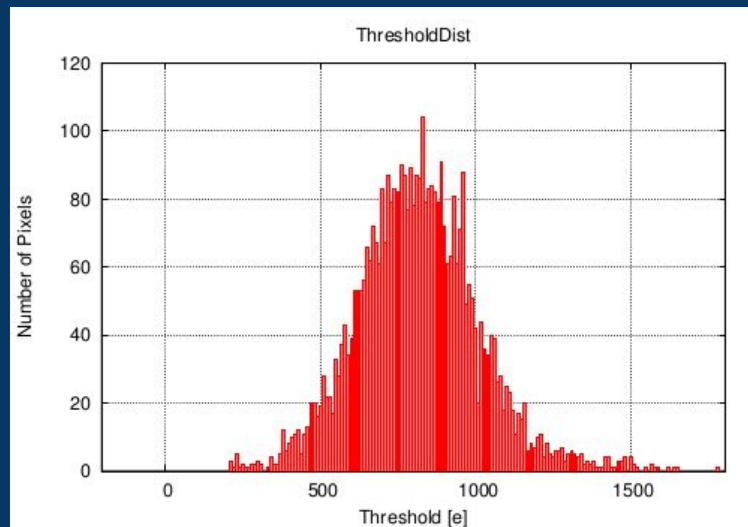
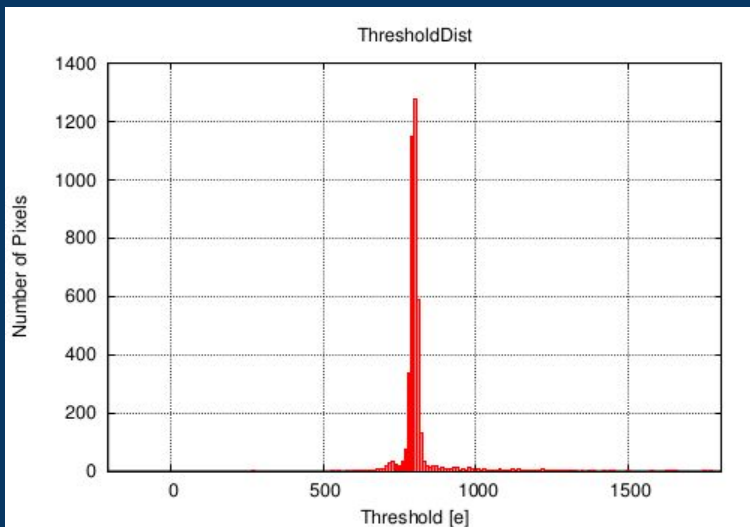
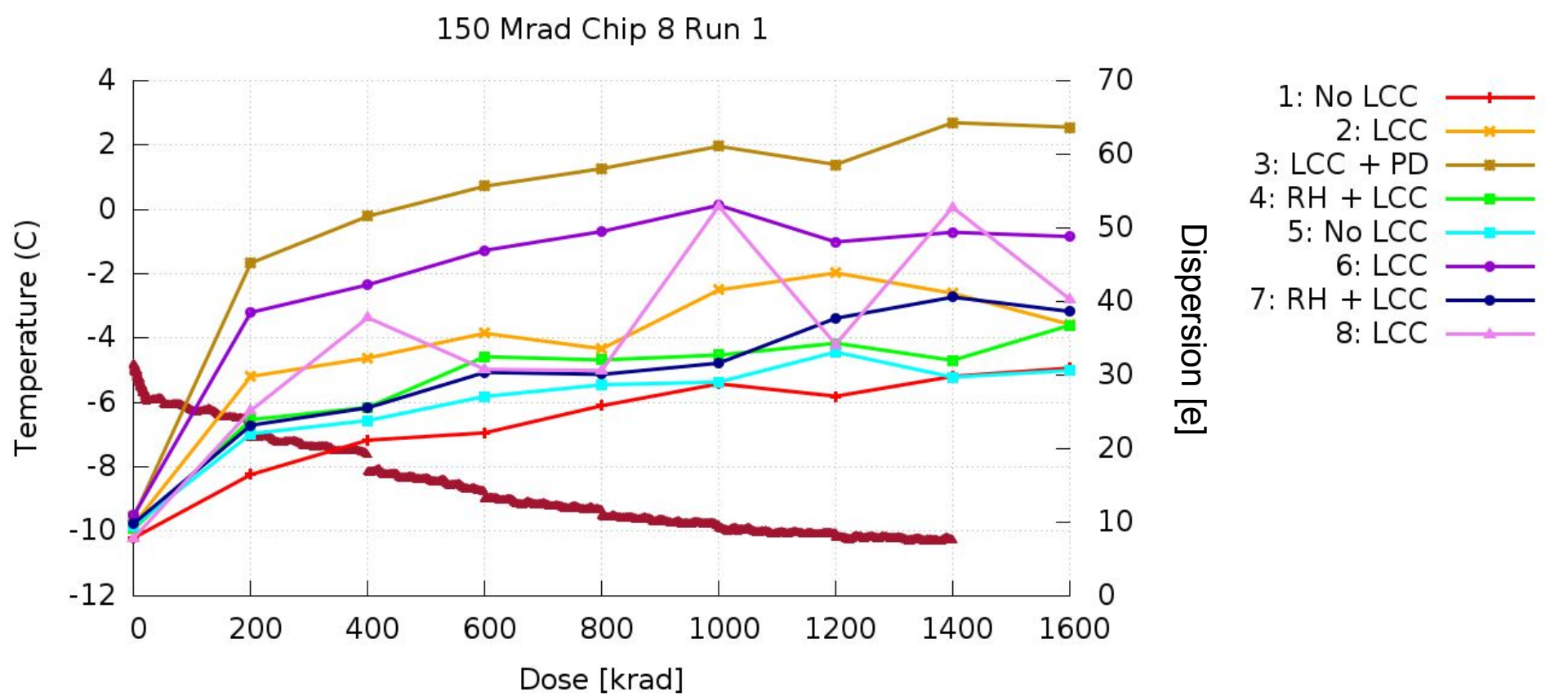
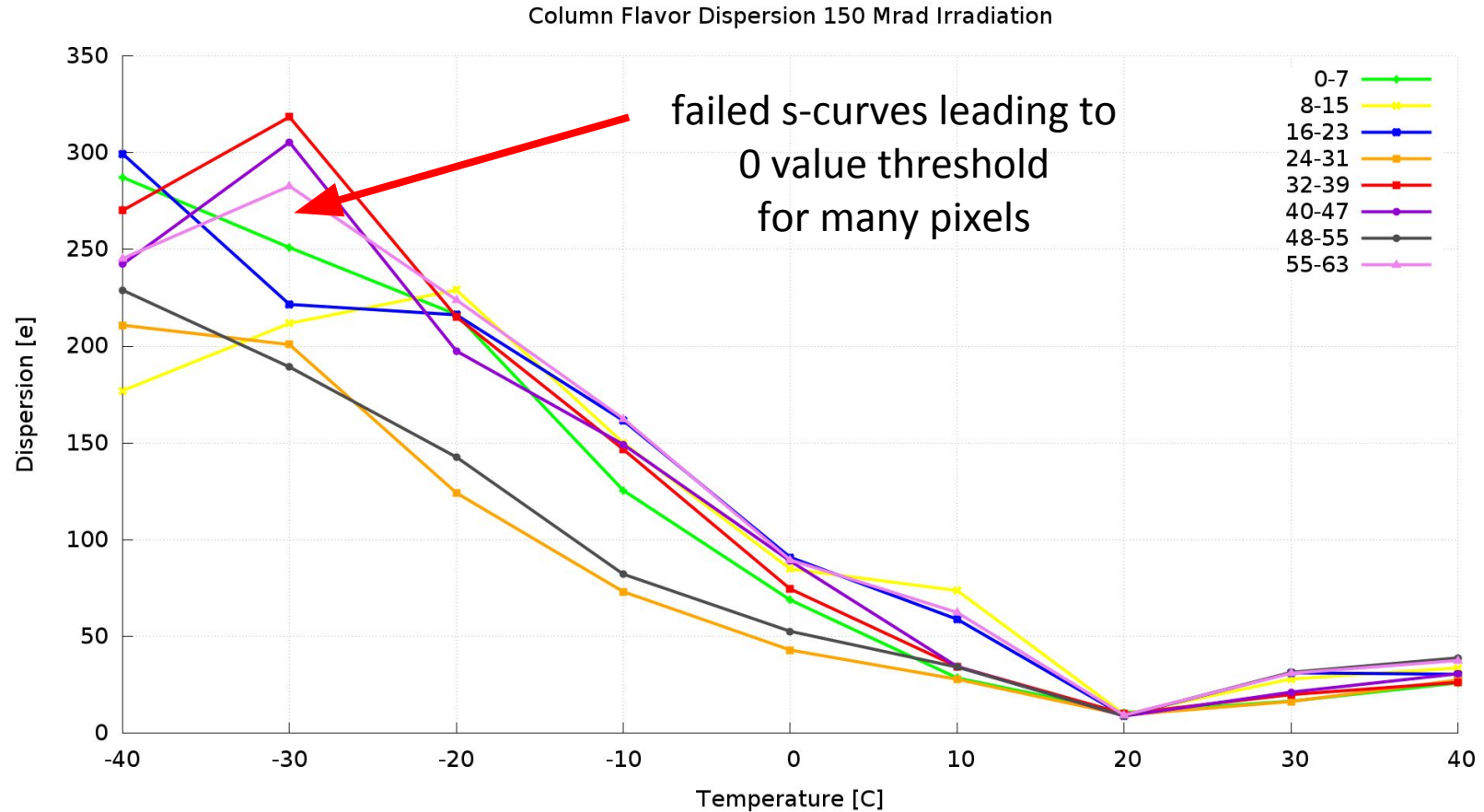


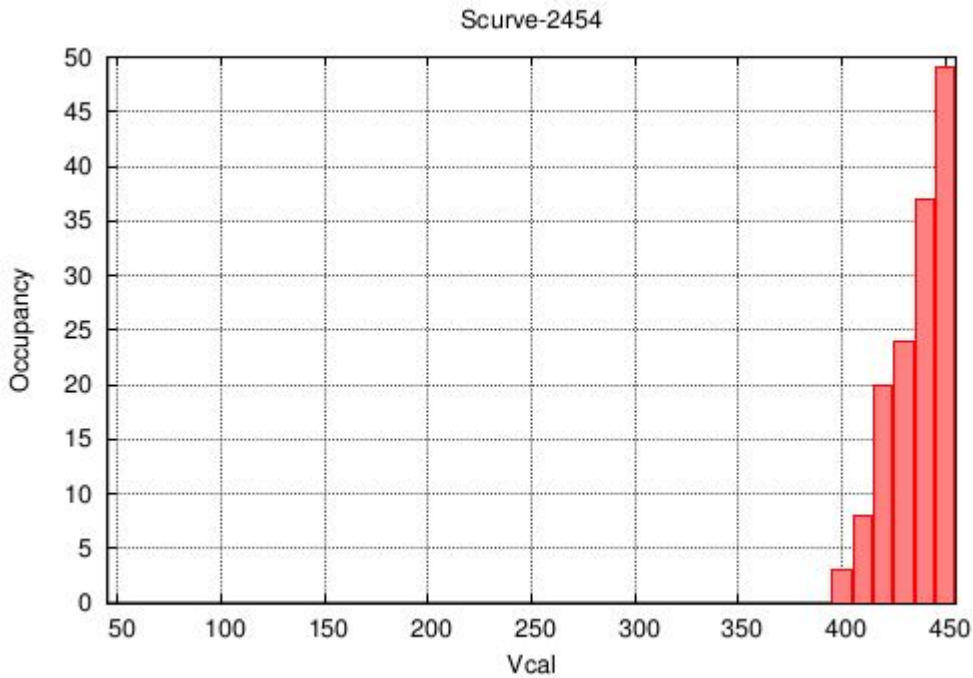
Threshold Dispersion of Irradiated FE65-P2



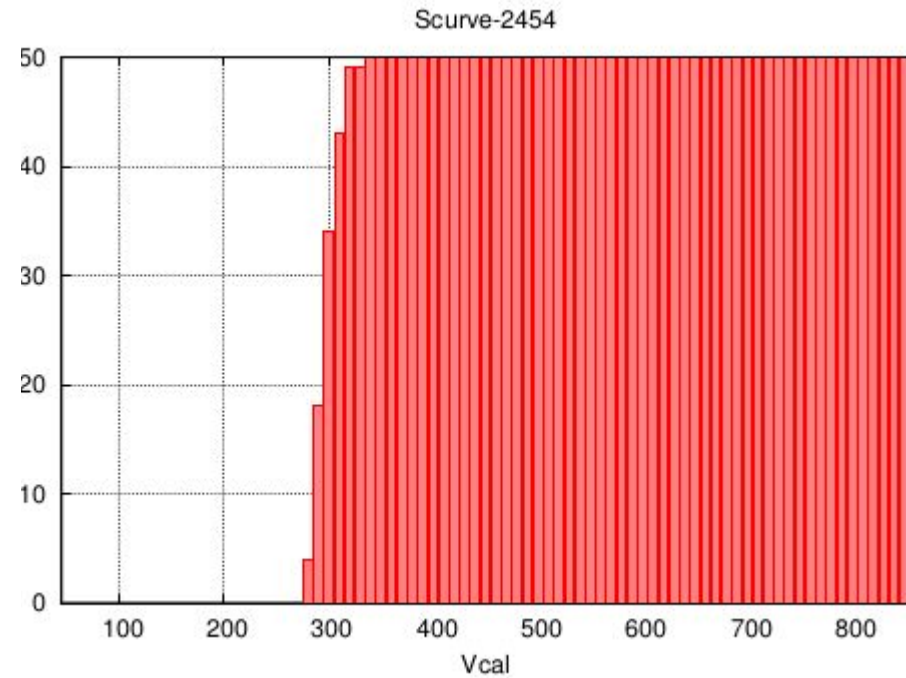


Dispersion vs. Temperature: Previous Data



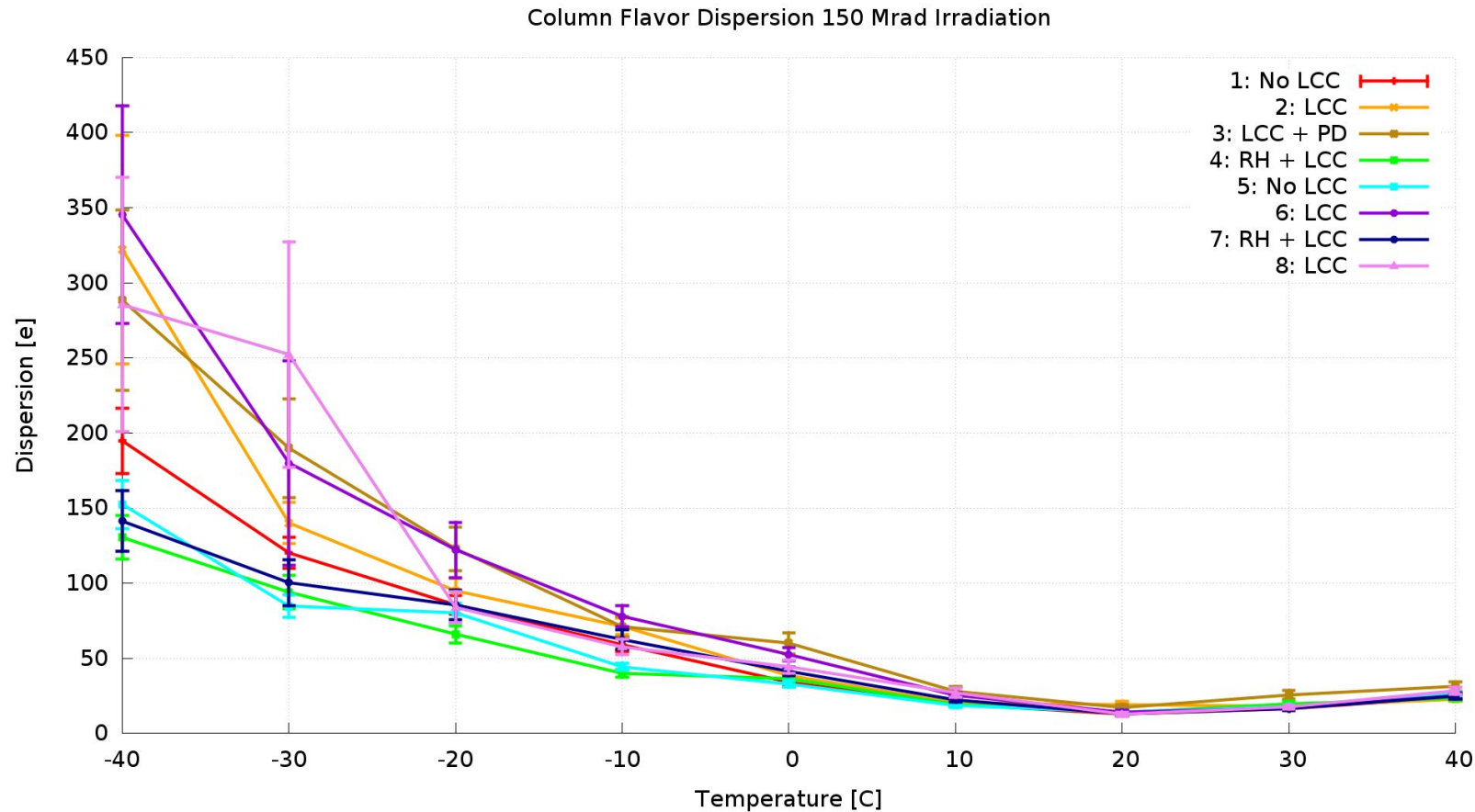


Vcal range 55--450

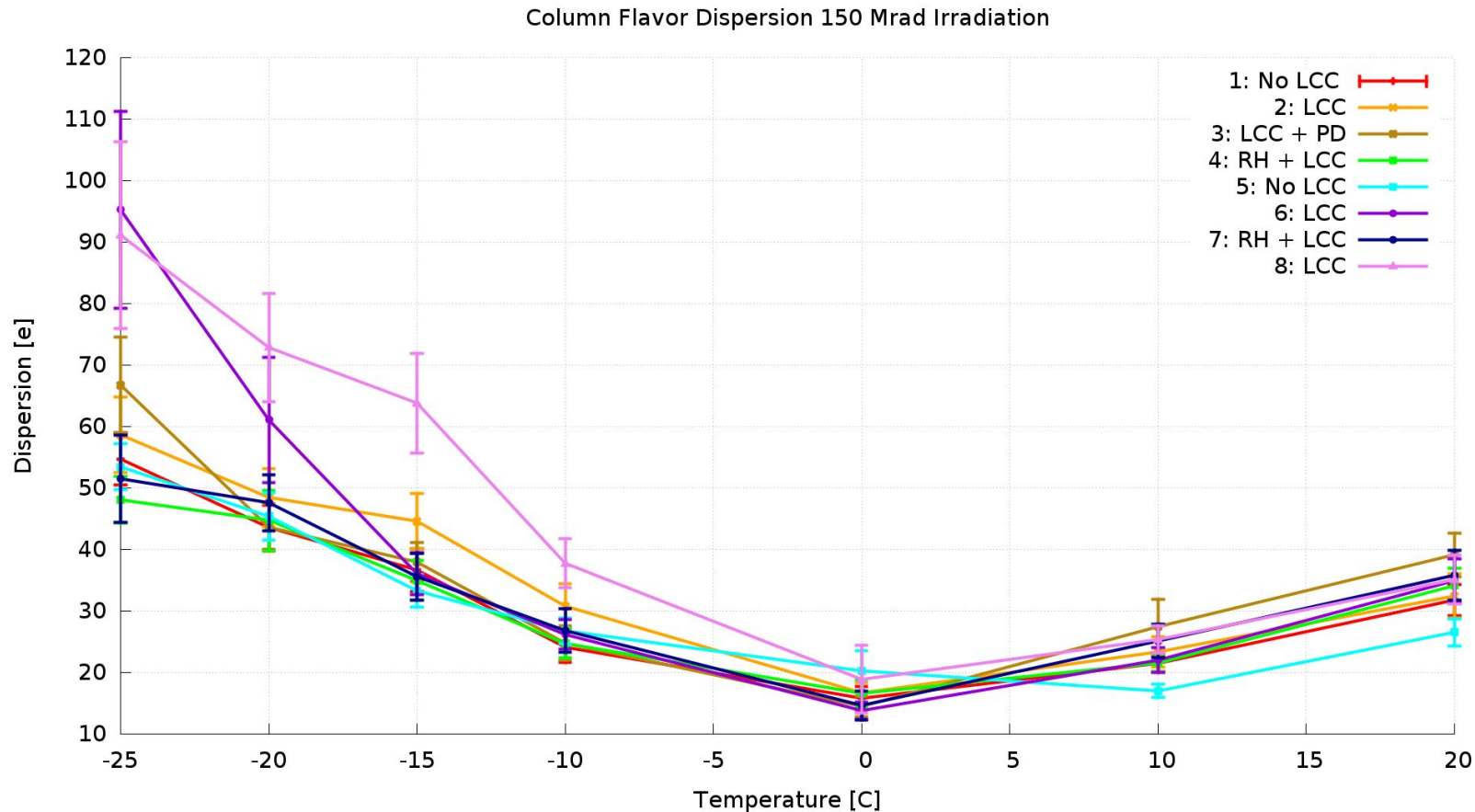


Vcal range 55--850

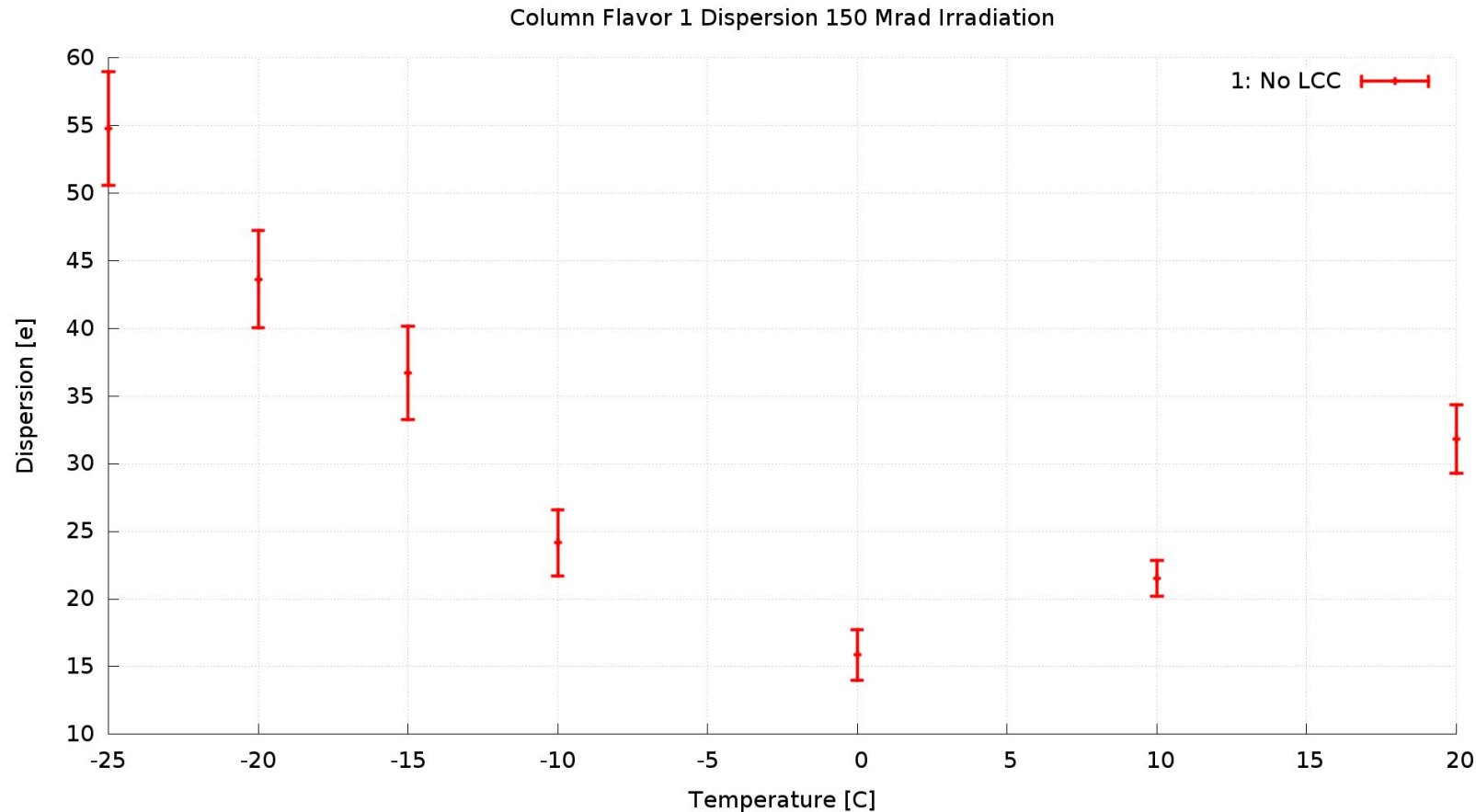
Dispersion vs. Temperature: Room Temperature Tuning



Dispersion vs. Temperature: 0°C Tuning

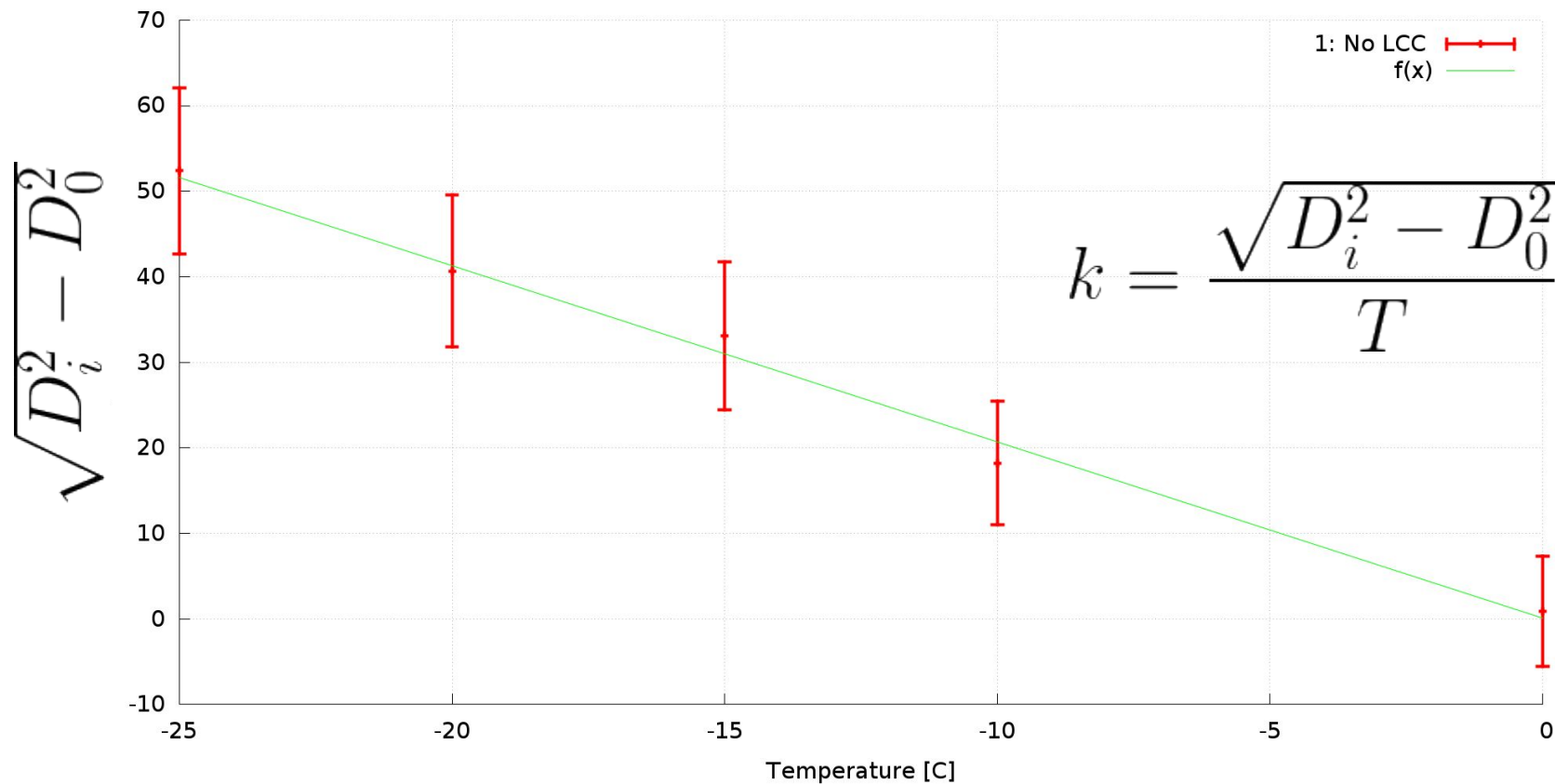


Dispersion vs. Temperature Column Flavor 1



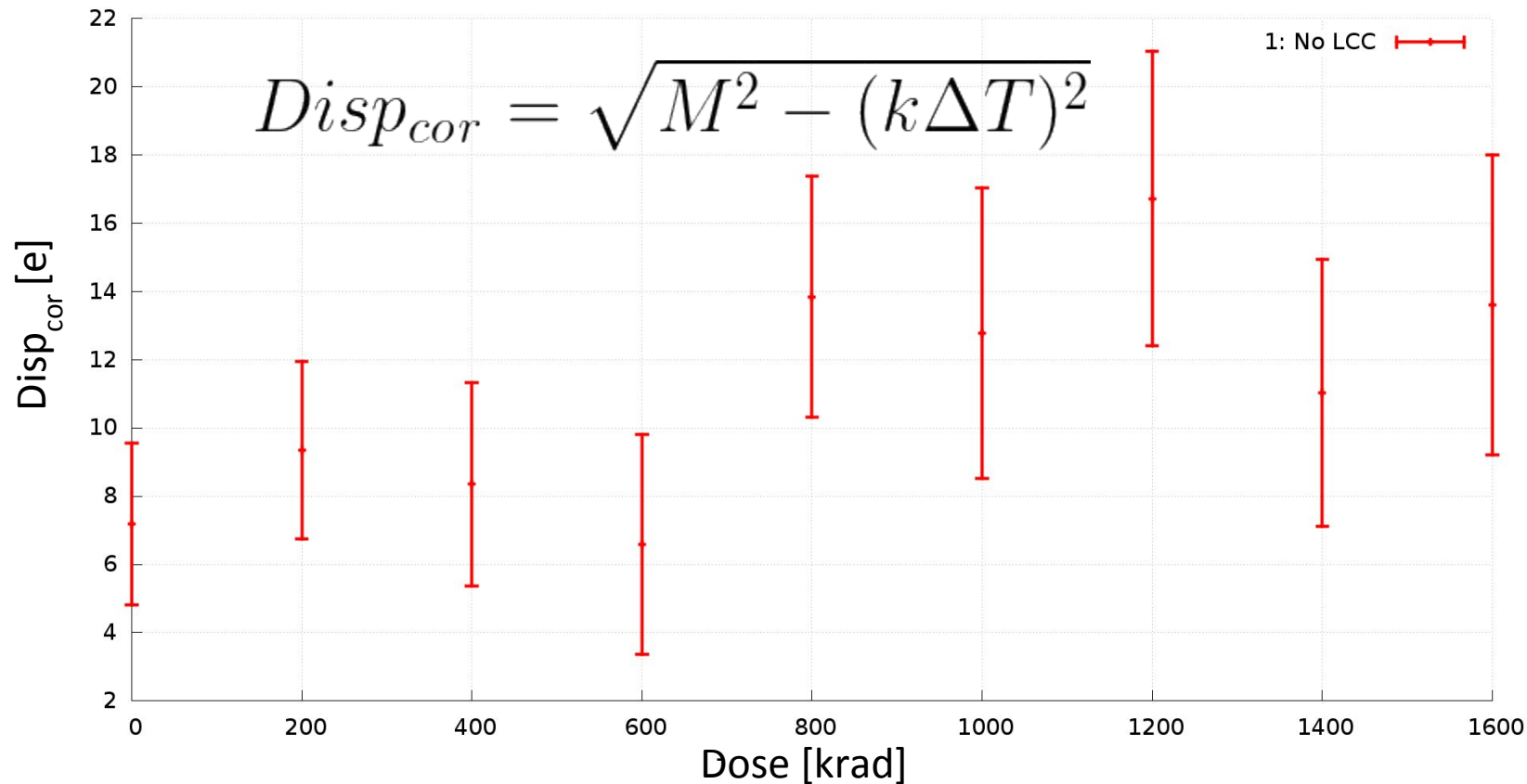
Rate of Dispersion: Column Flavor 1

Column Flavor 1 Dispersion 150 Mrad Irradiation



Corrected Dispersion: Column Flavor 1 (No LCC)

Column Flavor 4 Dispersion 150 Mrad Irradiation



$$k = \frac{\sqrt{D_i^2 - D_0^2}}{T}$$

$$\delta D_i^2 = \sqrt{\left(\frac{\delta D_i}{D_i}\right)^2 + \left(\frac{\delta D_i}{D_i}\right)^2}$$

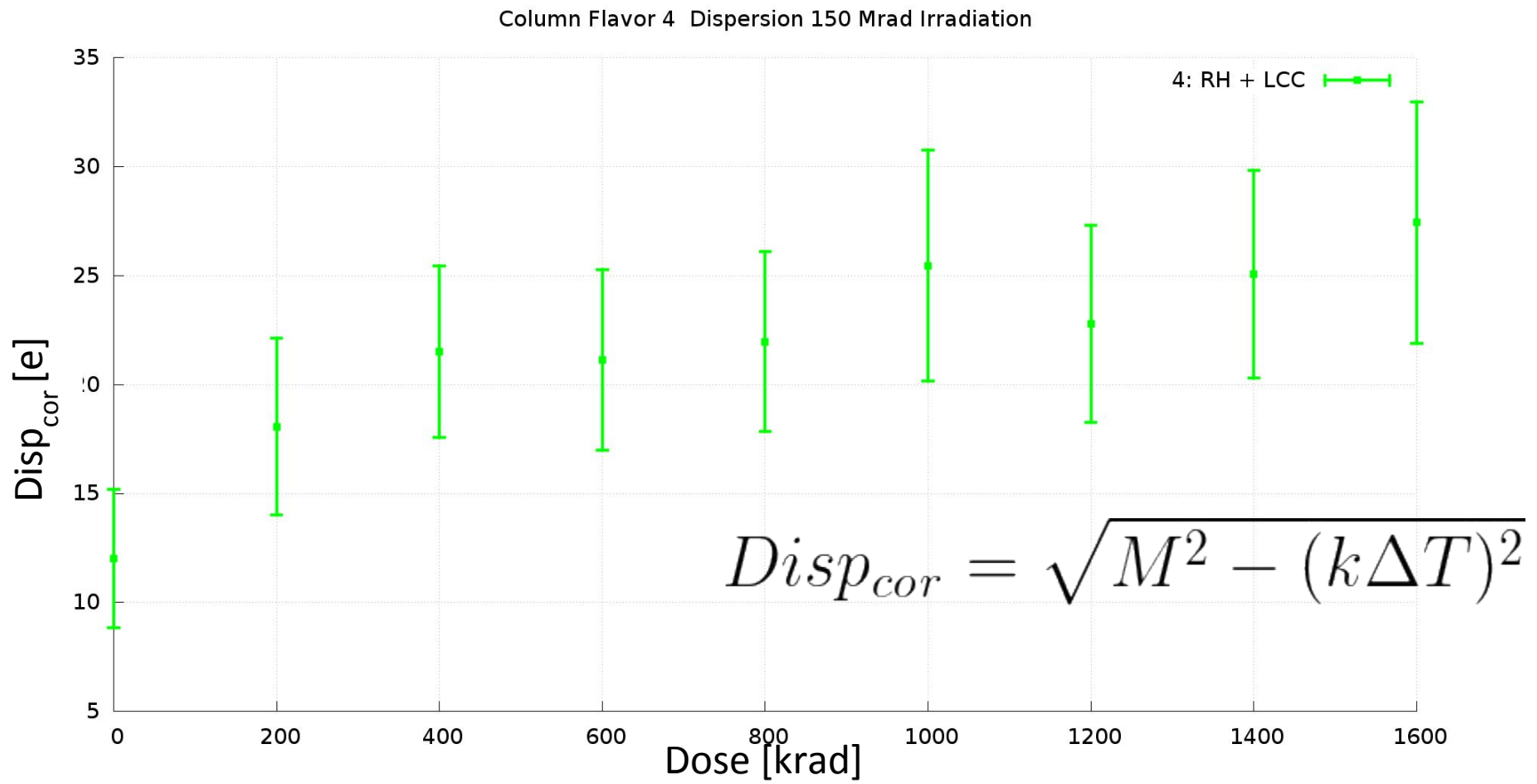
$$\delta D_0^2 = \sqrt{\left(\frac{\delta D_0}{D_0}\right)^2 + \left(\frac{\delta D_0}{D_0}\right)^2}$$

$$\delta k = \delta D_i^2 + \delta D_0^2$$

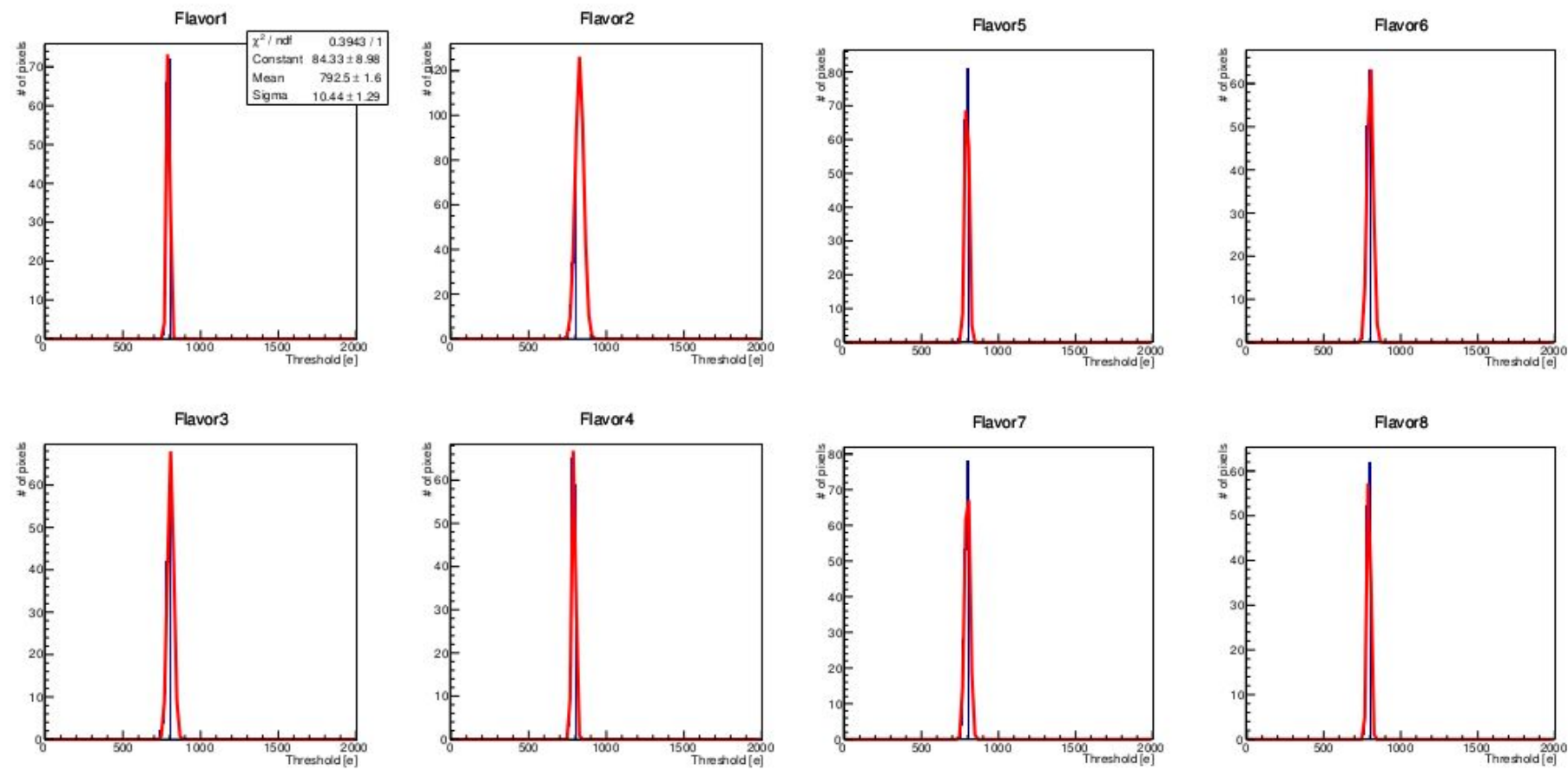
$$Disp_{cor} = \sqrt{M^2 - (k\Delta T)^2}$$

$$\delta Disp_{cor} = \delta M^2 + \delta k^2$$

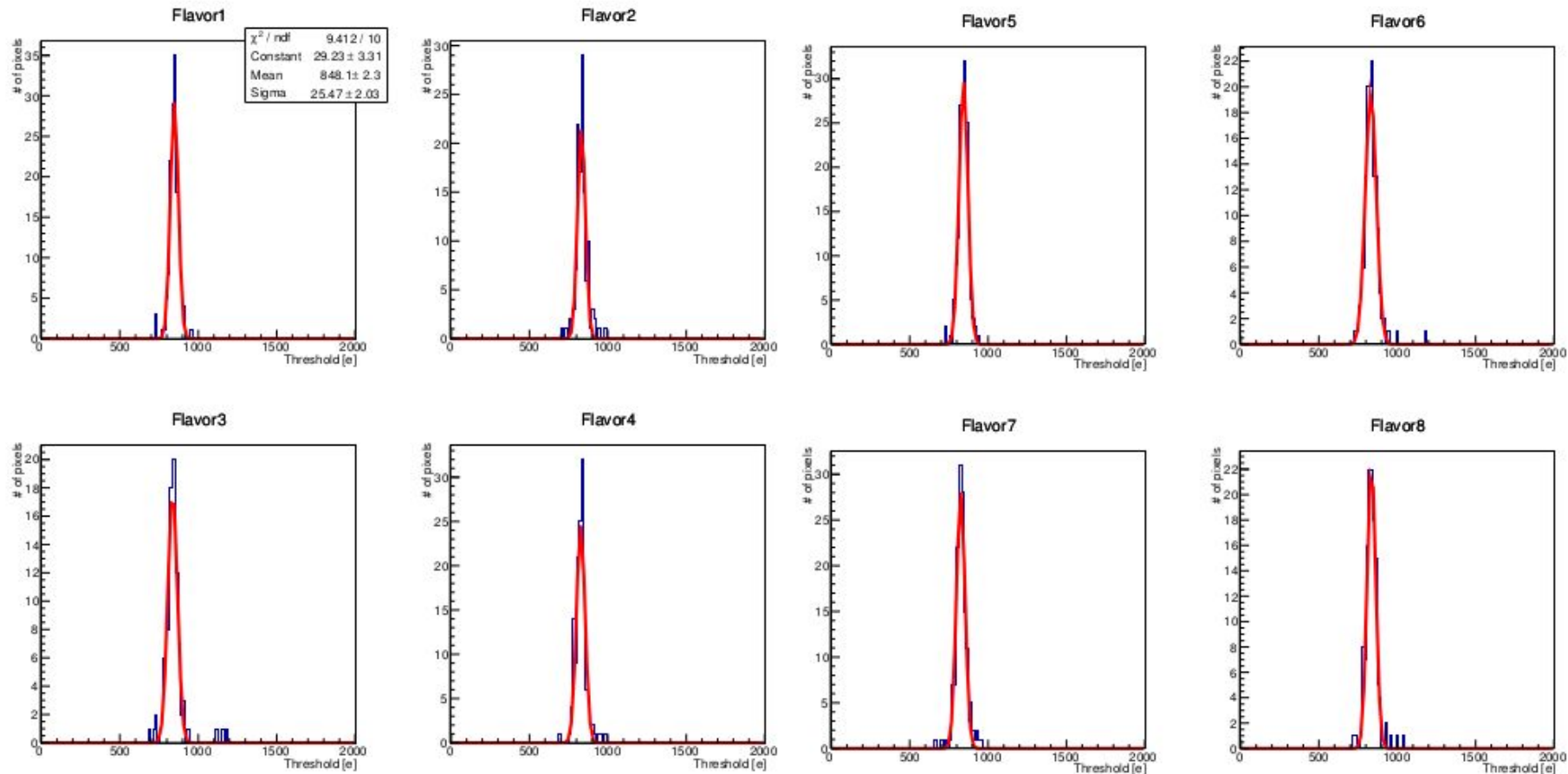
Corrected Dispersion: Column Flavor 4 (RH + LCC)



150 Mrad Chip Irradiation: 0 krad (Tuning)



150 Mrad Chip Irradiation: 1600 krad



- Get rate of dispersion for the corrected data + error
- Apply method to Threshold Mean Shift and 350 Mrad data
- Compile results for ICHEP 2016 proceedings due Nov 11th